

IN THE SPECIFICATION OF THE DISCLOSURE:

On page 34, please delete paragraph [0081] including the blank Table 1 of page 35, and replace it with the following new paragraph [0081] which now includes Table 1 obtained from the parent application.

[0081] Furthermore, comparable reference Runs A, C and E (1.2 V) and reference Runs I, G and K (1.6 V) are operated under comparable conditions as in Runs B, D and E (1.2 V) and as in Runs J, H and L (1.6 V), except all ten purification cycles (Nos. 1 through 10, inclusive) are operated only at the positive voltage. Figure 4 illustrates the performance timing charts for the feed and product solutions of Run A. Chart 4a represents the conductivity of the feed streams. Chart 4b represents the conductivity of the product stream. Chart 4c indicates the applied voltages during each portion of the cycles. Such comparative reference runs are illustrative of the conventional "positive-only voltage" deionization systems described, for example in the Farmer system. Average and accumulated capacities of the runs are summarized below in Table 1.

TABLE 1

Run	Invention cell (serpentine)				Mod. inv. cell (serpentine + stripped epoxy)				Andelman cell (short path)			
	A		B		C		D		E		F	
	Positive only		Alternating		Positive only		Alternating		Positive only		Alternating	
Average capacity mg NaCl equi.	Purif	Regen	Purif	Regen	Purif	Regen	Purif	Regen	Purif	Regen	Purif	Regen
	-63	56	-109	114	-150	150	-250	244	-66	55	-48	50
Accumulative capacity for 10 cycles (mg NaCl equi.)	-630	560	-1091	1145	-1510	1520	-2500	2440	660	550	-530	560
% change	-11		5		0		-2		-17		6	

Run	Invention cell (serpentine)				Mod. inv. cell (serpentine + stripped epoxy)				Andelman cell (short path)			
	I		J		K		L		G		H	
	Positive only		Alternating		Positive only		Alternating		Positive only		Alternating	
Average capacity mg NaCl equi.	Purif	Regen	Purif	Regen	Purif	Regen	Purif	Regen	Purif	Regen	Purif	Regen
	-128	116	-184	183	-260	280	-370	380	-138	120	-112	120
Accumulative capacity for 10 cycles (mg NaCl equi.)	-1030	930	-1470	1470	-2600	2800	-3700	3800	-1360	1200	-1162	1218
% change	-10		0		7		3		-11		5	

¹Positive only = Purification for 30 min. at +1.2V, Regeneration at short circuit (0.0V) 30 min.; 30" @ +1.2V, 30" @ 0.0V, ...

Alternating = Purification for 30 min. at +1.2V, Regeneration at short circuit (0.0V) 30 min.;

Purification for 30" @ -1.2V, Regeneration for 30" @ 0.0V; Purification for 30" @ +1.2V; Regeneration for 30" @ 0.0V, ...

² Same operation as ¹ except at 1.6V